



MECKLENBURG COUNTY

Land Use and Environmental Services Agency

Code Enforcement

CODE INTERPRETATION

Mechanical/Plumbing

Code Volume Reference: NC Plumbing Code (2012)

Code Chapter Reference: 1003.4

Subject: Approved Separators

Effective Date: January 1, 1998

Prepared/Revision Date: April 2018

CODE:

1003.4 Oil separators required. *At repair garages, car washing facilities with engine or undercarriage cleaning capability and at factories where oily and flammable liquid wastes are produced, separators shall be installed into which all oil-bearing, grease-bearing or flammable wastes shall be discharged before emptying in the building drainage system or other point of disposal.*

INTERPRETATION:

Floor drains are not required in garages or similar establishments. Owners may elect to pick up spilled oil by means of a commercial absorbent which would be disposed/processed by manufacturer's recommendations and County Environmental regulations.

However, if floor drains are desired, the drainage system shall be protected by an oil water separator with the capability of limiting oily discharge to 15 ppm. All oil water separators shall be protected from granular debris by means of a sand interceptor unless other means/methods are recommended by the manufacturer. Oil storage tanks shall be equipped level sensors and audible alarms to alert owner maximum storage capacity has been reached. Separators installed in driveways or vehicle storage areas must be rated for traffic. Floor drains in garage type facilities connected to septic systems shall be piped/pumped to an above ground holding tank for offsite treatment (see Environmental Health Regulations)

Continued:

Oil separators complete with storage, shall be required in **ALL** establishments that: change oil or oil filters, make engine repairs, commercial vehicle spray/wash facilities (automated are exempt), and apartment or condominium complexes where vehicle washing is centrally located; and shall

not exclude other facilities when, in the opinion of the Plumbing Official, there is the possibility of flammable materials/liquids introduction into the drainage system.

Oil separators shall be selected from the following “approved list”. These manufacturers have provided evidence that their product/s are capable of limiting oily discharge to 15 ppm when properly sized and maintained.

APPROVED SEPARATORS:

- | | |
|--|----------------|
| 1) Rockford | (815) 229-5077 |
| • OST | |
| 2) Highland Tank | (814) 893-5701 |
| 3) Xerxes | (612) 887-1890 |
| 4) Hoover | (800) 777-2823 |
| 5) McTighe | (605) 996-1162 |
| 6) Afl Industries | (407) 844-5200 |
| 7) WaterMaze | (800) 535-0941 |
| • (above ground) | |
| 8) Striem | (913) 222-1500 |
| 9) Mifab | (905) 673-1343 |
| 10) Hydro Flo | (630) 462-7550 |
| • Totlsep-T, EconoSep | |
| 11) Environmental Process Systems | (704) 827-0740 |
| • EPS 500/1000 Series | |
| 12) Proceptor | (877) 428-8187 |
| 13) Containment Solutions | (877) 274-8265 |
| 14) Town & Country Plastics | (704) 588-6262 |
| 15) Zurn | (704) 588-6262 |
| • model # Z-1186 | |
| 16) Jay R. Smith | (713) 723-5735 |
| • Ultracept model # 8602-03S | |
| 17) Josam | (215) 339-5370 |
| • Series 60500B | |
| • Series 60610 | |
| • Series 60810 | |
| 18) Hydro Quip | (910) 791-1855 |
| • All Equipment | |
| 19) Geomat Recovery System | (813) 936-7992 |
| • (small single car wash applications) | |
| 20) Watts OI & OI-K Oil Separator | (800) 338-2581 |
| 21) Freylit USA Inc. | (888) 373-3420 |

Continued:

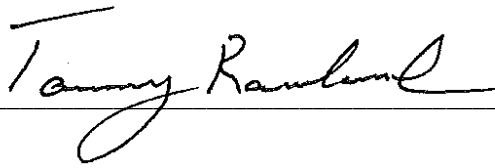
Note:

Manufacturers requesting to be added to the approved list shall provide:

1. A declaration on manufacturer's letterhead (or printed advertisements/ instructions, etc) stating that the model/s listed are capable of limiting the discharge (properly sized/maintained) to 15 ppm. And that the product is NOT fabricated of a porous material (i.e., some types of concrete, etc)
2. Two (2) product manuals with installation instructions.
3. Submit via email to tommy.rowland@mecklenburgcountync.gov

Prepared by: **Consistency Team**

Approved By: _____

A handwritten signature in black ink, appearing to read "Tommy Rowland", written over a horizontal line.

Tommy Rowland, M/P Code Administrator